

PRODUCT DATASHEET

ES-PG-C36-S009-V008

Precision Transmission Component

Ultra-Precision Planetary Gearboxes | Ultra-Precision Planetary Gearbox Series - ES-PG-C36-S009

Product Overview

Precision Transmission Component with backlash 7 / 5 arcmin, maximum Input Speed 6000 rpm and frame Size 42 mm.

Key Specifications

PARAMETER	VALUE	UNIT
Backlash	7 / 5	arcmin
Maximum Input Speed	6000	rpm
Frame Size	42	mm
Weight	0.8	kg
Compatible Servo Motor Power	50	W
Motor Adapter Interface	T3	
Number of Reduction Stages	2	
A-Weighted Noise Level	56	dB(A)
Permissible Axial Load	390	N

Technical Specifications

PARAMETER	SPECIFICATION	UNIT	NOTES
PERFORMANCE			
Backlash	7 / 5	arcmin	Precision Grade: P2; Reduction Ratio: 15 100 / Precision Grade: P1; Reduction Ratio: 15 100
Rated Input Speed	3000	rpm	Reduction Ratio: 3 100
Torsional Rigidity	2	Nm/arcmin	Reduction Ratio: 3 100
Permissible Axial Load	390	N	Reduction Ratio: 3 100
Permissible Radial Load	780	N	Reduction Ratio: 3 100
MECHANICAL			
Frame Size	42	mm	
Weight	0.8	kg	Reduction Ratio: 15 100
ENVIRONMENTAL			
A-Weighted Noise Level	56	dB(A)	Reduction Ratio: 3 100
ADDITIONAL SPECIFICATIONS			
Maximum Input Speed	6000	rpm	Reduction Ratio: 3 100
Compatible Servo Motor Power	50	W	
Motor Adapter Interface	T3		
Number of Reduction Stages	2		

Dimensional & Integration Overview

Mechanical Overview

PARAMETER	VALUE	UNIT
Frame Size	42	mm
Weight	0.8	kg

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- 01

Specifications are subject to change without notice. Verify the current product configuration before final design release.
- 02

2D drawings, CAD files and integration documentation are controlled documents and are supplied separately on request.